

RADIOLOGIC (X-RAY) TECHNOLOGY AAS

Total Credits: 66

Catalog Edition: 2025-2026

Program Description

(TP/SS): 520

Students who plan to major in radiologic (x-ray) technology will be assigned the temporary major of pre-radiologic (x-ray) technology, with POS code 520, until they are officially admitted to the radiologic (x-ray) technology program. Students may take preparatory courses and courses that fulfill general education requirements during the waiting period. As an alternative to being assigned a temporary major, students waiting for admission to the radiologic (x-ray) technology program may choose to major in general studies or any other open-admission program. The Admissions and Records Office at Takoma Park/Silver Spring will assign a matriculated code once students are admitted to the radiologic (x-ray) technology program.

This curriculum requires a minimum of two years of didactic and clinical experience. It offers a basic general education as well as an in-depth study of radiologic technology (including assessment of critical thinking skills) which is supported by extensive clinical experience. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, and course objectives are mandated by the American Society of Radiologic Technologists (ARRT). Upon successful completion of the program, the graduate will receive the AAS and will be eligible to apply to take the certification examination given by the American Registry of Radiologic Technologists. Radiographers are eligible for employment in the radiology departments of hospitals, clinics, and doctors' offices. The curriculum has been designed to provide a transfer option for students who elect to continue studies beyond the AAS.

Each of the radiologic technology courses builds upon material offered in the previous course. A grade of C or better in each radiologic technology course must be achieved before advancing to the next semester or summer session.

This is a selective program with specific admissions requirements. For additional information, contact the Admissions Office at the Takoma Park Campus, 240-567-1501,

or the program department. This program is accredited by the Joint Review Committee on Education of Radiologic Technology (JRCERT).

Program Outcomes

Upon completion of this program, a student will be able to:

- Demonstrate the skillset necessary to qualify as entry-level radiographers.
- Demonstrate critical thinking skills through competent radiographic performance and quality patient care.
- Demonstrate professionalism.
- Demonstrate clinical competence.
- Demonstrate effective communication skills.
- Illustrate a strong commitment to excellent customer service.

Program Advisors

Takoma Park/Silver Spring

- Prof. Rose Aehle, 240-567-5564,
Rose.Aehle@montgomerycollege.edu
- Prof. Kathy Lewandowski, 240-567-5565,
Kathy.Lewandowski@montgomerycollege.edu

For more information, please visit: <https://www.montgomerycollege.edu/rt>

2025-2026

Program Advising Guide

An Academic Reference Tool for Students

RADIOLOGIC (X-RAY) TECHNOLOGY AAS

Suggested Course Sequence

A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

General Education Requirements

Foundation Courses

English foundation 3 semester hours (ENGF)
Mathematics foundation 3 semester hours (MATF)

Distribution Courses

BIOL 150 - Principles of Biology I 4 semester hours (NSLD)
COMM 108 - Foundations of Human Communication 3 semester hours (ARTD/HUMD)
PSYC 100 - General Psychology 3 semester hours (BSSD)

Radiology Core Courses

First Semester – Summer I

RADT 119/119L - Clinical Radiology I 3 semester hours

Second Semester – Fall I

RADT 101/101L - Radiologic Technology I 4 semester hours
RADT 111/111L - Radiographic Procedures + lab 3 semester hours
RADT 120 - Clinical Radiology II 2 semester hours

Third Semester – Spring I

RADT 102/102L - Radiologic Technology II 4 semester hours
RADT 112/112L - Radiographic Procedures + lab II 2 semester hours
RADT 124 - Clinical Radiology III 2 semester hours

Total Credit Hours: 66

* ENGL 101/ENGL 101A, if needed for ENGL 102/ENGL 103 or see adviser.

General Education Elective

BIOL 212 - Human Anatomy and Physiology I 4 semester hours (GEEL)

Other Requirements

ENGL 101 - Introduction to College Writing 3 semester hours *
BIOL 213 - Human Anatomy and Physiology II 4 semester hours
HINM 115 - Medical Terminology I 2 semester hours

Fourth Semester – Summer II

RADT 125 - Clinical Radiology IV 3 semester hours

Fifth Semester – Fall II

RADT 211/211L - Radiographic Procedures III 2 semester hours
RADT 206 - Radiologic Technology III 2 semester hours
RADT 224 - Clinical Radiology V 3 semester hours

Sixth Semester – Spring II

RADT 207 - Radiologic Technology IV 2 semester hours
RADT 240 - Radiologic Technology V 2 semester hours
RADT 225 - Clinical Radiology VI 3 semester hours

Transfer Opportunities

Montgomery College has partnerships with multiple four-year institutions and the tools to help you transfer. To learn more, please visit <https://www.montgomerycollege.edu/transfer> or <http://artsys.usmd.edu>.

Get Involved at MC!

Employers and Transfer Institutions are looking for experience outside the classroom.

MC Student Clubs and Organizations: <https://www.montgomerycollege.edu/life-at-mc/student-life/>

Related Careers

Advanced training in the following modalities: CT, MRI, Mammography, Interventional Imaging, DEXA, Quality Control, Nuclear Medicine, PET/ SPECT/ Radiation Therapy, Sales, Education, Health Care Administration

Career Services

Montgomery College offers a range of services to students and alumni to support the career planning process. To learn more, please visit <https://www.montgomerycollege.edu/career>

Career Coach

A valuable online search tool that will give you the opportunity to explore hundreds of potential careers or job possibilities in Maryland and the Washington D.C. metropolitan area. Get started today on your road to a new future and give it a try. For more information, please visit <https://montgomerycollege.emsicc.com>

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